

# S/K CHALLENGE II

# S/K Challenge Final Execution

Presented by  
**Brief**  
CPT Michael Stewart & Destry Grogan  
20 JAN 2015

DUGWAY PROVING  
GROUND  
P R E S E N T S  
**S/K CHALLENGE**



# S/K II Challenge Agenda

- Schedule
- Scope
- Key Dates
- Event List
- VIP Day
- Lodging
- Point of Contact Information



Unclassified



# S/K II Challenge Schedule

- **Meeting Dates** 01 DEC 14 & 31 May 15
  - 1<sup>st</sup> Meeting 9<sup>th</sup> Dec
  - 2<sup>nd</sup> Meeting 20<sup>th</sup> Jan
  - 3<sup>rd</sup> Meeting 2<sup>nd</sup> Mar
  - 4<sup>th</sup> Meeting 5<sup>th</sup> May
- **Execution**
  - JABT & ASC 01- 04 June
  - Field Test 08- 11 June
- **Reporting**
  - Final Review 10 July 15
  - Future Improvements 15 July 15
  - Data package delivery 15 July 15
- **Future Efforts**
  - S/K Challenge III TBD



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# S/K II Challenge Scope

S/K Challenge is an OSD effort to collaborate and reduce costs of equipment testing. The annual event allows groups to utilize Dugway Proving Ground, UT test facilities to demonstrate and collect data on their equipment and processes in a more economical environment. This effort helps support initial entry and cost prohibition that sometimes stalls new technologies.

S/K Challenge II provides the opportunity to demonstrate your chemical and biological equipment during a two week event. This year Dugway Proving Grounds will be incorporating outdoor chambers and field scenarios during the informal non-acquisition demonstration. We will be demonstrating outdoor chamber testing using the Joint Ambient Breeze Tunnel (JABT) and Active Standoff Chamber (ASC) providing customers with variety of chemical & biological challenges. We will follow up the event with a field demonstration applying real world scenarios allowing customer to evaluate their equipment in a realistic environment. Customers will have the opportunity to meet with industry, international, and government organizations during the VIP Day and throughout the event.



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# S/K II Challenge Key Dates

MAR – 31<sup>st</sup> Deadline for funding and Reregistration

APR – 30<sup>th</sup> VIP Initial List  
Foreign Visitors List  
Customer List Due

MAY – 5<sup>th</sup> Final Meeting with Customers( Admin and Logistic focused)



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# S/K Challenge Events List

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	25 May	26	27	28	29	30
		DPG Set Up				
31	01 June	02	03	04	05	06
	SK II Field Chambers JABT/ ASC		Set Up	SK II Field Chambers JABT/ ASC		
	Set-Up		Vendor Day			
07	08	09	10	11	12	13
	SK II Field				Retro	
	Set Up		VIP DAY			
14	15	16	17	18	19	20
21	22	23	24	25	26	27



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# S/K Challenge Events List

## 01 June Set Up & Pilot Test

1530 – 1600 Movement to JABT & ASC

1600 – 1630 Safety Brief

1630 - 2030 Setup JABT & ASC

2030 – 2100 Daily Activity Meeting

2100 – 0230 Pilot Test

0230 – 0330 Shutdown



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# S/K Challenge Events List

02 June

1500 – 1700 Chem Lab & MAAF tour

1700 – 1800 Dinner (Not Provided)

1900 – 2000 Movement to JABT & ASC

2000 – 2030 Safety Brief

2030 – 2100 Daily Activities Brief

2100 – 0400 Testing

0400 – 0500 Shutdown





# S/K Challenge Events List

03 June Vendor Presentation Day & Set Up

1400 – 1530 Life Science & Mustang Village

1600 - 1700 Dinner ( Provided)

1730 – 2030 Vendor Presentation

2030 – 2130 JABT & ASC Set Up

2130 – 2200 Safety/ Daily Activities

2300 – 0200 Pilot Test & Shutdown



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# S/K Challenge Events List

04 & 05 June Test

1900 – 2000 Movement to JABT & ASC

2000 – 2030 Safety Brief

2030 – 2100 Daily Activities Brief

2100 – 0400 Testing

0400 – 0500 Shutdown



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# Week 1 JABT/ ASC Planned Trials 01-05 June

- We are planning 40 chem and 40 bio trials, weather dependent
- Bring food and beverages to testing
- Safety brief 30 minutes prior to testing
- 0700 6 June Saturday to 1400 08 June Monday free time



# S/K Challenge Events List

## 08 June Field Set Up and Test

1400 – 1500 Movement to Target S

1500 – 2000 Test Grid Setup/ Daily Activities

2030 – 2100 Safety Brief

2100 – 0100 Test

0100 – 0200 Shutdown

## 09 June Record Field Test

1900 – 2000 Movement to Target S

2000 – 2030 Daily Activities

2030 – 2100 Safety Brief

2100 – 0400 Test

0400 – 0500 Shutdown



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# S/K Challenge Events List

## 10 June "VIP Day" Schedule

0900 Arrival

0900 - 0930 In brief

0930 - 1200 Chem Lab/MAAF Tours

1200 - 1300 Lunch Ditto Diner

1300 - 1600 Life Science/ Mustang Village Tour

1630 - 1700 Command Presentations

1700 - 1745 Dinner on Target S (provided)

1745 - 1815 Demonstration

1815 - 2100 Scenario Driving Presentation 2100

Travel to hotel

## 10 June Field Set Up and Test

2100 - 2130 Daily Activities Brief

2130 - 2200 Safety Brief

2200 - 0400 Test

0400 - 0500 Shutdown



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# S/K Challenge Events List

## 11 June Record Test

1900 – 2000 Movement to Target S

2000 – 2030 Daily Activities

2030 – 2100 Safety Brief

2100 – 0400 Test

0400 – 0500 Shutdown



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# Week 2 Field Planning 08 – 12 June

- Planning for 6 trials per night, weather dependent
- Customer awards will be handed out on VIP day
- Safety brief will be 30 minutes prior to testing



# Trial Simulants

## Simulants that will be used

- *Bacillus subtilis* var. niger (BG)
- *Erwinia herbicola* (EH)
- Male Specific Coliphage (MS2)
- Methyl Salicylate (MES)
- Ovalbumin (OV)
- Acetic Acid
- Triethyl Phosphate (TEP)
- Suflur Hexafluoride (SF6)
- *Other additional simulants*



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# Instrumentation

## Aerosol

- APS
- LIDAR

## Vapor

- GASMETS
- CCTS

## Meteorological

- PWIDS
- MET Towers
- Hazard Models



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# S/K II Challenge Package

- \$25,000 for Participation Fee
  - Data package
  - Up to 7 personnel and one system (Can bring multiple systems, additional logistics fees may apply)
  - VIP Day Access
  - Logistic Support
  - Vendor Demonstration Day
  - Exposure to Chem & Bio simulants
- \$1,500 Observer Fee
  - Per Individual



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# S/K Challenge Fee

**Non US Government Customers:** Please send payment via check made out to 'Department of Treasury' and mailed to DPG at the following:

U.S. Army Dugway Proving Ground  
WDTC Resource Management Office  
ATTN: Cynthia Rowe or Angie Child  
Building 4531 (Kuddes), B-Street Room 140  
Dugway, UT 84022-5000

DPG Resource Management Budget  
POC:  
Cynthia Rowe  
[Cynthia.a.rowe4.civ@mail.mil](mailto:Cynthia.a.rowe4.civ@mail.mil)  
COMM: (435) 831-3749, DSN 789-3749  
FAX: (435) 831-5183, DSN 789-5183

DPG Resource Management Budget  
POC:  
Angela Child  
[Angela.l.child.civ@mail.mil](mailto:Angela.l.child.civ@mail.mil)  
COMM: (435) 831-3785, DSN 789-3785  
FAX: (435) 831-5183, DSN 789-5183

**Government customers:** Please make sure the following statement is on the MIPR: Issued as a reimbursable economy act service order IAW DFAS-IN 37-1, Chapter 12 and 31 U.S.C 1535 or issued as a reimbursable project order IAW DFAS-IN 37-1, Chapter 12 and 41 U.S.C 23. Please include the project number 2013-DT-DPG-TRDSP-F7220

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# Lodging

- To register by phone, call 001- (435) 831-6500
- For more information email:  
[tonya.wintle@ihg.com](mailto:tonya.wintle@ihg.com)  
[kathryn.metcalfe@ihg.com](mailto:kathryn.metcalfe@ihg.com)
- Or visit [www.ihgarmyhotels.com](http://www.ihgarmyhotels.com)
- Tooele – 40+ mile drive
- Salt Lake City Airport – 80+ mile drive
- All FN work lodging through Megan Holste  
POC information 001-703-545-1081 or email:  
[megan.j.holste.civ@mail.mil](mailto:megan.j.holste.civ@mail.mil)



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# POC

## Project Team

Phone: 001-435-831-5442

email: [usarmy.dpg.attec.mbx.sk-challenge@mail.mil](mailto:usarmy.dpg.attec.mbx.sk-challenge@mail.mil)

webpage: [www.wdtdc.army.mil](http://www.wdtdc.army.mil)



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# Questions



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# S/K Challenge II

1-11 June  
2015

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